

1. (CURRENTLY AMENDED) A network computer system for use over electrical power supply lines, the network computer system comprising:

a server ~~system for operating an applications program generating video display output data, compressing the video display output data to generate~~ generating compressed video data, and for transmitting the compressed video data over a power bus;

a power bus connected to said server ~~system~~ for receiving the compressed video data;

and at least one terminal coupled to said power bus, ~~for receiving the compressed video data, decompressing the video data to produce the video display output data for the applications program, and displaying~~ generating a video display from the video display output data on a local monitor,

said at least one terminal further including an input device for receiving input signals from a user ~~for controlling the applications program on the server system~~ and for compressing the input signals as compressed input data and transmitting the compressed input data over the power bus,

wherein the power bus receives the compressed input data and transmits said compressed input data to said server ~~system~~, said server ~~system~~ decompressing said input data and ~~generating compressed video data controlling the applications program~~ in response to the input signals.

2. (CURRENTLY AMENDED) The network computer system according to claim 1, wherein said server comprises:

a coder for generating the compressed video data as video change data; and

a first modem, for generating a first channel of compressed video data on the power bus.

3. (CURRENTLY AMENDED) The ~~network computer system~~ according to claim 2, wherein said at least one terminal further comprises:

a second modem, for receiving the first channel of compressed video data from the power bus,  
and

a decoder for generating video data from the video change data received from the first channel of compressed video data.

4. (CURRENTLY AMENDED) The ~~network computer system~~ according to claim 3, wherein said at least one terminal further comprises:

a coder for generating the compressed input data from the user input signals;

wherein said second modem in the at least one terminal generates a second channel of compressed input data on the power bus.

5. (CURRENTLY AMENDED) The ~~network computer system~~ according to claim 4, wherein said first modem in said server receives the second channel of compressed input data from the power

bus, and wherein said server further comprises a decoder for generating input signals from the compressed input data from the second channel of compressed input data.

6. (CURRENTLY AMENDED) The ~~network computer system~~ of claim 5, wherein said first channel is substantially larger in bandwidth than said second channel.

7. (CURRENTLY AMENDED) The ~~network computer system~~ of claim 6, wherein said second channel ~~are~~ comprises a keyboard compressed data channel and a mouse compressed data channel, and wherein said user input signals comprise mouse and keyboard inputs.

8. (CURRENTLY AMENDED) A client terminal for ~~used in a network use with a server~~ coupled over electrical power supply lines, the ~~network including a server system for operating an application program generating application program output data, compressing the application program output data to generate~~ generating compressed ~~video applications~~ data, and for transmitting the compressed ~~video applications~~ data over a power bus ~~and a power bus~~ connected to said server system for receiving the compressed ~~video applications~~ data, said client terminal comprising:

at least one terminal coupled to said power bus for receiving compressed ~~video application~~ data, decompressing the ~~video application~~ data and ~~displaying the video data on a local monitor~~ generating an output at the at least one terminal from the application data,

said at least one terminal further including an input device for receiving input signals from a user for controlling the application program on the server, and for compressing the input signals as compressed input data and transmitting the compressed input data over the power bus,

wherein the power bus receives the compressed input data and transmits said compressed input data to said server ~~system~~, said server ~~system~~ decompressing said input data and generating compressed ~~video application~~ data in response to the input signals.

9. (CURRENTLY AMENDED) The client terminal according to claim 8, wherein the server includes a coder for generating the compressed ~~video application~~ data as ~~video change data~~ and a first modem, for generating a first channel of compressed ~~video application~~ data on the power bus, the client terminal further comprising:

a second modem, for receiving the first channel of compressed ~~video application~~ data from the power bus, and a decoder for generating ~~video application~~ data from the ~~video compressed application change~~ data received from the first channel of compressed ~~video applications~~ data.

10. (ORIGINAL) The client terminal according to claim 9, wherein said at least one terminal further comprises:

a coder for generating the compressed input data from the user input signals, wherein said second modem generates a second channel of compressed input data on the power bus, and wherein the first modem in the server receives the second channel of compressed input data from the power bus, the server further including a decoder for generating input signals from the compressed input data from the second channel of compressed input data.

11. (ORIGINAL) The client terminal of claim 10, wherein said first channel is substantially larger in bandwidth than said second channel.

12. (ORIGINAL) The client terminal of claim 11, wherein said second channel comprises a keyboard compressed data channel and a mouse compressed data channel, and wherein said user input signals comprise mouse and keyboard inputs.

13. (CURRENTLY AMENDED) A server for use with ~~a network at least one terminal~~ coupled over electrical power supply lines, the ~~network including a~~ electrical power bus supply lines connected to the server for receiving and transmitting data, ~~and the~~ at least one terminal coupled to the electrical

power bus supply lines for receiving and compressed video application data from the electrical power bus supply lines, decompressing the video application data and displaying the video data on a local monitor generating an output at the terminal from the application data, the at least one terminal further including an input device for receiving input signals from a user and for compressing the input signals as compressed input data and transmitting the compressed input data over the electrical power bus supply lines, said server comprising:

a server system for operating an application program generating application program output data, compressing the application program output data to generate generating compressed video application data, and for transmitting the compressed video application data over the electrical power bus supply lines;

wherein the electrical power bus supply lines receives receive the compressed input data and transmits said compressed input data to said server system, said server system decompressing said input data and generating compressed video application data in response to the input signals.

14. (CURRENTLY AMENDED) The server according to claim 13, wherein said server further comprises:

a coder for generating the compressed video application data as video change compressed application data; and

a first modem, for generating a first channel of compressed video application data on the power bus,

wherein the at least one terminal further comprises a second modem, for receiving the first channel of compressed ~~video~~ application data from the power bus, and a decoder for generating ~~video~~ application data from the ~~video~~ application change data received from the first channel of compressed ~~video~~ application data.

15. (ORIGINAL) The server according to claim 14, wherein the at least one terminal further comprises a coder for generating the compressed input data from the user input signals, and the second modem generates a second channel of compressed input data on the power bus, and the first modem receives the second channel of compressed input data from the power bus, said server further comprising:

a decoder for generating input signals from the compressed input data from the second channel of compressed input data.

16. (ORIGINAL) The server of claim 15, wherein said first channel is substantially larger in bandwidth than said second channel.

17. (ORIGINAL) The server of claim 16, wherein said second channel comprises a keyboard compressed data channel and a mouse compressed data channel, and wherein said user input signals comprise mouse and keyboard inputs.

18. (NEW) A household appliance for receiving data from a household server and outputting a signal derived from the data, the appliance comprising:

a housing containing a receiver for receiving the data and an output device for deriving the signal from the data and outputting the signal; and

a power cord, coupled to the housing, for plugging into a standard power outlet, for receiving alternating current (AC) power and the data over the power cord, from the household server.

19. (NEW) The household appliance of claim 18, wherein the household appliance comprises a audio appliance, the data comprises digitized music, and the signal derived from the data comprises an analog audio output signal.

20. (NEW) A household appliance for communicating with a household server, the appliance comprising:



a housing containing a transceiver for receiving data from and transmitting data to, a household server; and

a power cord, coupled to the housing, for plugging into a standard power outlet, for receiving alternating current (AC) power and receiving and transmitting data over the power cord, to and from the household server.

21. (NEW) The household appliance of claim 20, wherein the data transmitted to the household appliance comprises signals for controlling the kitchen appliance and the data transmitted from the household appliance comprises signals indicating the operating status of the household appliance.